

ACRYL-MODIFIED POLYESTER RESIN COMPOSITION AND METHOD OF
PREPARING THE SAME

ABSTRACT OF THE DISCLOSURE

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A condensation polymerization of a polyhydric alcohol and a polybasic acid in a solvent is performed to give a polyester resin. The polyester resin and an unsaturated polybasic acid are polymerized to give a polyester resin intermediate of following formula (1) having a carbon-carbon double bond at one end. The polyester resin intermediate is polymerized with an acryl monomer to give an acryl-modified polyester resin composition. Due to the polymerization of the polyester resin intermediate having the carbon-carbon double bond and the acryl monomer, a paint including the acryl-modified polyester resin composition has advantages of a polyester resin and the acryl resin,



wherein R represents a polyester polymer residue, and X represents a methyl or carboxylic group.